

10/585208

JAP20 Rec'd PCT/PTO 03 July 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Tsuyoshi IKUSHIMA et al. : **Mail Stop: PCT**

Serial No. NEW : Attorney Docket No. 2006-1059A

Filed July 3, 2006 :

PULSE SIGNAL DEMODULATION DEVICE

[Corresponding to PCT/JP2005/012348

Filed July 4, 2005]

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents

P.O. Box 1450
Alexandria, VA 22313-1450

THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEES FOR THIS INFORMATION DISCLOSURE STATEMENT
ACCCU. 110-00-0073

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

each U.S. Patent and U.S. Patent application publication;

each reference previously cited in the international application PCT/_____; and/or

each reference previously cited in prior parent application Serial No. _____.

1a. This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

1b. This Information Disclosure Statement is submitted
after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:
(1) the certification of paragraph 2 below is provided, **or**
(2) the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. This Information Disclosure Statement is submitted:
after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:
the certification of paragraph 2 below is provided, and
the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified
a. that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
b. that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

July 3, 2006

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:

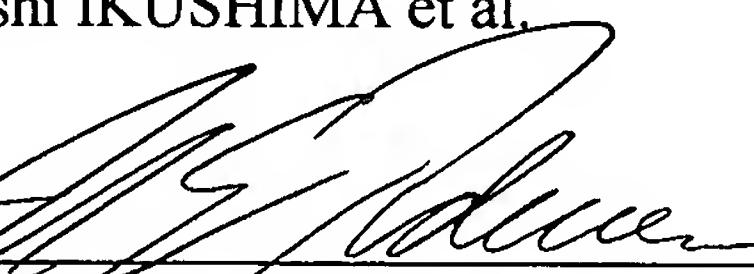
- a full or partial English language translation submitted herewith,
- a foreign patent office search report (in the English language) submitted herewith,
- the concise explanation contained in the specification of the present application at page 4,
- the concise explanation set forth in the attached English language abstract,
- the concise explanation set forth below or on a separate sheet attached to the reference:
US 5,687,169; US 5,832,035; US 6,549,567; & US 2003/0189975
corresponds to JP 11-504480

5. A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Tsuyoshi IKUSHIMA et al.

By


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July 3, 2006

ATENÇÃO à Rec. PCT/PCTO 03 JULY 2006
SPT2006C0PCT/PCTO 03 JULY 2006

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY DOCKET NO. 2006-1059A	SERIAL NO. NEW		
LIST OF REFERENCES CITED BY APPLICANT(S) <i>(Use several sheets if necessary)</i>				APPLICANT Tsuyoshi IKUSHIMA et al.			
Date Submitted to PTO: July 3, 2006				FILING DATE July 3, 2006	GROUP		
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,687,169	11/1997	Fullerton			
	AB	5,832,035	11/1998	Fullerton			
	AC	6,549,567	4/2003	Fullerton			
	AD	2003/0189975	10/2003	Fullerton			
	AE						
	AF						
	AG						
	AH						
	AI						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AJ	11-504480	4/1998	JP			
	AK	2004-350284	12/2004	JP		abstract	
	AL						
	AM						
	AN						
OTHER DOCUMENT(S) (<i>Including Author, Title, Date, Pertinent Pages, Etc.</i>)							
	AO	Vincenzo Lottici et al., "Channel Estimation for Ultra-Wideband Communications", IEEE Journal on Selected Areas in Communications, Vol. 20, Issue 9, December 2002, pgs. 1638-1645.					
	AP	Zhengdao Wang et al., "Ultra Wide-Band Communications With Blind Channel Estimation Based on First-Order Statistics", IEEE International Conference on Acoustics, Speech and Signal Processing 2004, Vol. 4, May 17, 2004, pgs. IV-529 to IV-532.					
	AQ	Takatoshi Ogawa et al., "UWB over Fiber Denso System no Kaihatsu to Denpan Sokutei eno Oyo", 2004 Nen the Institute of Electronics, Information and Communication Engineers Sogo Taikai Koen Ronbunshu, Kiso · Kyokai, March 8, 2004, pg. 170.					

**EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.*